IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of   :

   Andrei Malkov et al.   :

Serial No. **09/928,927**   :

Filed **August 13, 2001**   ·   :

For: **SOFT BIT COMPUTATION FOR A REDUCED STATE EQUALIZER**

U.S. Patent and Trademark Office
Assistant Commissioner for Patents
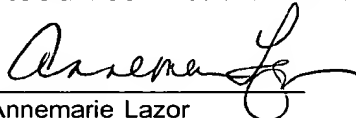Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

   Applicants submit herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR §1.56.

   While this Information Disclosure Statement (IDS) may be "material" pursuant to 37 CFR §1.56(b), it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.
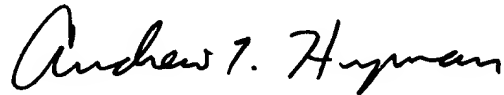
In accordance with 37 CFR §1.97(g), the filing of this IDS shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR §1.56(a) exists.

Enclosed is a Form PTO-1449 listing the cited references. Copies of the cited references are also enclosed herewith. The abstract of each reference provides a concise explanation thereof.

This IDS is being submitted within three months of the date of filing of the application for patent in this matter. Therefore, the undersigned respectfully submits that no fee is due for filing this IDS. The Commissioner is hereby authorized to charge to deposit account 23-0442 any fee deficiency required to submit this IDS.

Respectfully submitted,

Dated: August 31, 2001

Andrew T. Hyman
Attorney for the Applicant
Registration No. 45,858

WARE, FRESSOLA, VAN DER SLUYS
& ADOLPHSON LLP
Bradford Green, Building Five
755 Main Street, P.O. Box 224
Monroe, Connecticut 06468
Telephone: (203) 261-1234
Facsimile: (203) 261-5676
USPTO Customer No. 004955

FORM PTO-1449 & TRADE DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 944-003.086	SERIAL NO. 09/928,927
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Andrei Malkov et al.	
(Use several sheets if necessary) (37 CFR 1.98(b))	FILING DATE August 13, 2001	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
		5 5 0 2 7 3 5	03/26/1996	Cooper			
		6 1 3 4 2 7 7	10/17/2000	Shah			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		1	"Reduced-State Sequence Estimation With Set Partitioning and Decision Feedback," by M. Vedat Eyuboğlu and Shahid U. H. Qureshi, *IEEE Transactions on Communications*, Vol. 36, No. 1, January 1988, pp.13-20.
		2	"Optimum and Sub-Optimum Detection of Coded Data Disturbed by Time-Varying Intersymbol Interference," by Wolfgang Koch and Alfred Baier, *IEEE*, CH2827-4/90/0000-1679, 1990, pp.807.5.1-807.5.6.
		3	"Transactions Papers - Block Decision Feedback Equalization," by D. Williamson, R. A. Kennedy and G. W. Pulford, *IEEE Transactions on Communications*, Vol. 40, No. 2, February 1992, pp.255-264.
		4	"Reduced-State Soft-Output Trellis-Equalization Incorporating Soft Feedback," by S. H. Müller, W. H. Gerstacker and J. B. Huber, *Proceedings of the IEEE Global Telecommunications Conference GLOBECOM '96*, November 1996, London, pp.95-100.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.